

Patent claims

1. A method for interchanging data between a communication unit (7, 8, 9) and a data source (2, 3, 4), in which a runtime system comprising hardware components (2, 3, 4) and software components (5, 6) transmits data between the part (6, 7, 8) and a communication unit (7, 8, 9) and a processing sequence (10) controls and/or monitors the interchange of the data, characterized in that

the processing sequence (10) is made up of processing routines (11) which each have a standard input interface, with the processing routines (11) being called in succession and the data in a called processing routine (11) being supplied to the input interface of a processing routine (11) which is immediately downstream of the latter, and in that the runtime system manages a dynamic memory area and accesses said memory area in order to stipulate the order in which the processing routines (11) are called.

2. The method as claimed in claim 1, characterized in that

the data are provided with a user identifier, and at least one authorization routine (11a) checks the user identifier for a match with entries in prescribed user lists and terminates the forwarding of the data if it establishes that there is no match between the user identifier and the user lists.

3. The method as claimed in claim 1 or 2, characterized in that the data are provided with a data-source-specific source data identifier, and one or more of the processing routines (11d) controls the processing of the data by the processing routine (11d) on the basis of the source data identifier.

4. The method as claimed in claim 3, characterized in that at least one processing routine (11) is a buffer-store routine (11b) in which buffer-store data are buffer-stored with a respective buffer-store data identifier, and if the source data identifier matches one of the buffer-store data identifier then the buffer-store routine (11b) displays the buffer-store data associated with the buffer-store data identifier and terminates the interchange of the data.

5. The method as claimed in one of the preceding claims, characterized in that at least one processing routine (11) is an error analysis routine which checks the data for the presence of predetermined errors.

6. The method as claimed in one of the preceding claims, characterized in that at least processing routine (11) is a monitoring routine which stores the data and/or monitoring data derived from the data in a monitoring file.

7. The method as claimed in one of the preceding claims, characterized in that the runtime system has a network server with a server program and at least one client computer with a browser program (14), and each browser program (14) accesses the server program via the Internet.

8. The method as claimed in one of the preceding claims, characterized in that at least one processing routine (11) is a tracing routine (11d) which checks the path of the data in the runtime system and generates security parameters on the basis of the check.

9. The method as claimed in one of the preceding claims, characterized in that a configuration file is loaded into the dynamic memory area, the configuration file stipulating the structure and the order of the processing routines.